

## 2018 Current Fiscal Year Report: Proposal Review Panel for Engineering Education and Centers

Report Run Date: 06/06/2019 12:47:08 AM

### 1. Department or Agency

National Science Foundation

### 2. Fiscal Year

2018

### 3. Committee or Subcommittee

Proposal Review Panel for Engineering Education and Centers

### 3b. GSA Committee No.

173

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

06/29/2018

### 6. Expected Renewal Date

06/29/2020

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

No

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority

Agency Authority

### 12. Specific Establishment Authority

ADM IV-100

### 13. Effective Date

01/02/1991

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee

Grant Review Committee

### 16a. Total Number of Reports

No Reports for this Fiscal Year

### 17a. Open 0 17b. Closed 49 17c. Partially Closed 0 Other Activities 0 17d. Total 49

### Meetings and Dates

| Purpose         | Start      | End          |
|-----------------|------------|--------------|
| Proposal Review | 11/06/2017 | - 11/07/2017 |
| Proposal Review | 11/06/2017 | - 11/07/2017 |
| Proposal Review | 11/06/2017 | - 11/07/2017 |
| Proposal Review | 11/08/2017 | - 11/09/2017 |
| Proposal Review | 11/13/2017 | - 11/14/2017 |
| Proposal Review | 11/13/2017 | - 11/14/2017 |
| Proposal Review | 11/13/2017 | - 11/14/2017 |
| Proposal Review | 11/14/2017 | - 11/17/2017 |
| Proposal Review | 01/08/2018 | - 01/09/2018 |
| Proposal Review | 01/08/2018 | - 01/09/2018 |
| Proposal Review | 01/26/2018 | - 01/26/2018 |
| Proposal Review | 01/26/2018 | - 01/26/2018 |
| Proposal Review | 02/15/2018 | - 02/15/2018 |
| Proposal Review | 02/19/2018 | - 02/20/2018 |
| Proposal Review | 03/12/2018 | - 03/13/2018 |
| Proposal Review | 03/19/2018 | - 03/20/2018 |

|                 |            |              |
|-----------------|------------|--------------|
| Proposal Review | 03/22/2018 | - 03/23/2018 |
| Proposal Review | 04/05/2018 | - 04/06/2018 |
| Proposal Review | 04/12/2018 | - 04/13/2018 |
| Proposal Review | 04/17/2018 | - 04/18/2018 |
| Proposal Review | 04/26/2018 | - 04/27/2018 |
| Proposal Review | 04/30/2018 | - 05/02/2018 |
| Proposal Review | 05/03/2018 | - 05/04/2018 |
| Proposal Review | 05/07/2018 | - 05/09/2018 |
| Proposal Review | 05/07/2018 | - 05/10/2018 |
| Proposal Review | 05/14/2018 | - 05/17/2018 |
| Proposal Review | 05/15/2018 | - 05/17/2018 |
| Proposal Review | 05/22/2018 | - 05/24/2018 |
| Proposal Review | 05/22/2018 | - 05/24/2018 |
| Proposal Review | 05/22/2018 | - 05/24/2018 |
| Proposal Review | 06/04/2018 | - 06/06/2018 |
| Proposal Review | 06/04/2018 | - 06/07/2018 |
| Proposal Review | 06/07/2018 | - 06/08/2018 |
| Proposal Review | 06/13/2018 | - 06/14/2018 |
| Proposal Review | 06/14/2018 | - 06/15/2018 |
| Proposal Review | 07/09/2018 | - 07/10/2018 |
| Proposal Review | 07/09/2018 | - 07/10/2018 |
| Proposal Review | 07/09/2018 | - 07/10/2018 |
| Proposal Review | 07/09/2018 | - 07/10/2018 |
| Proposal Review | 07/10/2018 | - 07/11/2018 |
| Proposal Review | 07/10/2018 | - 07/11/2018 |
| Proposal Review | 07/10/2018 | - 07/11/2018 |
| Proposal Review | 07/10/2018 | - 07/11/2018 |
| Proposal Review | 07/12/2018 | - 07/13/2018 |
| Proposal Review | 07/12/2018 | - 07/13/2018 |
| Proposal Review | 07/12/2018 | - 07/13/2018 |
| Proposal Review | 07/12/2018 | - 07/13/2018 |
| Proposal Review | 07/12/2018 | - 07/13/2018 |
| Proposal Review | 09/06/2018 | - 09/07/2018 |

**Number of Committee Meetings Listed: 49**

|   | <b>Current FY</b> | <b>Next FY</b> |
|---|-------------------|----------------|
| <b>18a(1). Personnel Pmts to Non-Federal Members</b>                  | \$678,480.00      | \$680,000.00   |
| <b>18a(2). Personnel Pmts to Federal Members</b>                      | \$0.00            | \$0.00         |
| <b>18a(3). Personnel Pmts to Federal Staff</b>                        | \$495,768.06      | \$495,000.00   |
| <b>18a(4). Personnel Pmts to Non-Member Consultants</b>               | \$0.00            | \$0.00         |
| <b>18b(1). Travel and Per Diem to Non-Federal Members</b>             | \$212,388.97      | \$212,000.00   |
| <b>18b(2). Travel and Per Diem to Federal Members</b>                 | \$1,966.57        | \$2,000.00     |
| <b>18b(3). Travel and Per Diem to Federal Staff</b>                   | \$54,593.93       | \$54,000.00    |
| <b>18b(4). Travel and Per Diem to Non-member Consultants</b>          | \$0.00            | \$0.00         |
| <b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b> | \$22,151.83       | \$22,000.00    |
| <b>18d. Total</b>   | \$1,465,349.36    | \$1,465,000.00 |
| <b>19. Federal Staff Support Years (FTE)</b>                          | 3.03              | 3.00           |

**20a. How does the Committee accomplish its purpose?**

During FY 2018 Engineering Education and Centers Division (EEC) conducted proposal

review panel meetings and site visits. The proposal review panels were comprised of a diverse group of engineers and educators from academia, industry and government. Panelists were selected with particular attention paid to increasing the participation of women, underrepresented minorities, and persons with disabilities. The panels reviewed both solicited and unsolicited proposals submitted to the EEC division programs via the National Science Foundation (NSF) FastLane system. The panels reviewed proposals submitted to the Engineering Education, Human Resources Development, and Engineering Research Centers (ERC) programs. The panel discussions provided sound technical advice to EEC program staff. This advice was used to assist the EEC division staff in making final funding recommendation decisions on behalf of the NSF. The panelist's reviews are only one of the factors used by program staff in determining which proposals were recommended for funding. The funding recommendation process is very difficult. In addition to the feedback received from the external peer review process, other factors used in the recommendation process include the total amount of program funds available, prior year funding commitments, a principal investigator's prior award performance, opportunities to leverage other funding sources, the overall portfolio of the program, broader national needs, and general NSF policy.

**20b. How does the Committee balance its membership?**

The committee membership includes individuals with scientific, engineering, technology management backgrounds from academe, industry, and government. Consideration was also given to achieving geographic balance and to enhancing representation for women, minority, younger and disabled engineers and educators.

**20c. How frequent and relevant are the Committee Meetings?**

Panels are convened periodically throughout the year in response to competitions for new ERCs, Engineering Education, Research Experiences for Undergraduates Initiative (REU), Research Experiences for Teachers Initiative (RET), Nanotechnology Undergraduate Education, or for annual progress reviews for ongoing ERCs, and to review special initiative proposals.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

While ad hoc mail reviewers can be chosen to give a thorough technical review of a proposal, mail reviewer judgments are normally made about a single proposal viewed in isolation. Panel review in combination with mail review, can, in addition, provide judgments about the comparative merits within a group of proposals or within a single complex, multidisciplinary center.

## 20e. Why is it necessary to close and/or partially closed committee meetings?

To review proposals that included information of a proprietary or confidential nature, including technical information; financial data such as salaries; and personal information concerning individuals associated with the proposals.

## 21. Remarks

None

## Designated Federal Officer

Don Millard Acting Division Director

| Committee Members   | Start      | End        | Occupation  | Member Designation                       |
|---------------------|------------|------------|---|--|
| Abbas, Montasir     | 10/01/2017 | 09/30/2018 | Virginia Polytechnic Institute and State University | Special Government Employee (SGE) Member |
| Abdel-Qader, Ikhlas | 10/01/2017 | 09/30/2018 | Western Michigan University                         | Special Government Employee (SGE) Member |
| Abrams, Daniel      | 10/01/2017 | 09/30/2018 | University of Illinois                              | Special Government Employee (SGE) Member |
| Abrams, Lisa        | 10/01/2017 | 09/30/2018 | Ohio State University                               | Special Government Employee (SGE) Member |
| Adapa, Rambabu      | 10/01/2017 | 09/30/2018 | Electric Power Research Institute                   | Special Government Employee (SGE) Member |
| Adriaens, Peter     | 10/01/2017 | 09/30/2018 | University of Michigan                              | Special Government Employee (SGE) Member |
| Agarwal, Mangilal   | 10/01/2017 | 09/30/2018 | Indiana University-Purdue University                | Special Government Employee (SGE) Member |
| Agonafer, Dereje    | 10/01/2017 | 09/30/2018 | The University of Texas Arlington                   | Special Government Employee (SGE) Member |
| Agrawal, Vinamra    | 10/01/2017 | 09/30/2018 | Auburn University                                   | Special Government Employee (SGE) Member |
| Ahmed, Shaikh       | 10/01/2017 | 09/30/2018 | Southern Illinois University at Carbonda            | Special Government Employee (SGE) Member |
| Ahn, Benjamin       | 10/01/2017 | 09/30/2018 | Iowa State University                               | Special Government Employee (SGE) Member |
| Aksanli, Baris      | 10/01/2017 | 09/30/2018 | San Diego State University                          | Special Government Employee (SGE) Member |
| Alagoz, Oguzhan     | 10/01/2017 | 09/30/2018 | University of Wisconsin-Madison                     | Special Government Employee (SGE) Member |
| Alocilja, Evangelyn | 10/01/2017 | 09/30/2018 | Michigan State University                           | Special Government Employee (SGE) Member |
| Alvarado, Michelle  | 10/01/2017 | 09/30/2018 | University Of Florida                               | Special Government Employee (SGE) Member |
| Anderson, Rachel    | 10/01/2017 | 09/30/2018 | Clemson University                                  | Special Government Employee (SGE) Member |
| Anderson, Timothy   | 10/01/2017 | 09/30/2018 | University of Massacchusetts                        | Special Government Employee (SGE) Member |
| Antoine, Keisha     | 10/01/2017 | 09/30/2018 | Antoine Technical Consulting LLC                    | Special Government Employee (SGE) Member |
| Aqlan, Faisal       | 10/01/2017 | 09/30/2018 | Pennsylvania State Univ University Park             | Special Government Employee (SGE) Member |
| Arabi, Mazdak       | 10/01/2017 | 09/30/2018 | Colorado State University                           | Special Government Employee (SGE) Member |

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| Artis, Sharnnia       | 10/01/2017 09/30/2018 University of California, Irvine              | Special Government Employee (SGE) Member |
| Atamturktur, Sez      | 10/01/2017 09/30/2018 Pannsylvania State University University Park | Special Government Employee (SGE) Member |
| Atkinson, John        | 10/01/2017 09/30/2018 SUNY at Buffalo                               | Special Government Employee (SGE) Member |
| Avdeev, Ilya          | 10/01/2017 09/30/2018 University of Wisconsin-Milwaukee             | Special Government Employee (SGE) Member |
| Badurdeen, Fazleena   | 10/01/2017 09/30/2018 University of Kentucky                        | Special Government Employee (SGE) Member |
| Bairaktarova, Diana   | 10/01/2017 09/30/2018 Virginia Tech                                 | Special Government Employee (SGE) Member |
| Baliga, Nitin         | 10/01/2017 09/30/2018 Institute for Systems Bio                     | Special Government Employee (SGE) Member |
| Banerjee, Debjyoti    | 10/01/2017 09/30/2018 Texas A&M University                          | Special Government Employee (SGE) Member |
| Barbu, Adrian         | 10/01/2017 09/30/2018 Florida State University                      | Special Government Employee (SGE) Member |
| Barizo, Ophelia       | 10/01/2017 09/30/2018 Chesapeake Conference Schools                 | Special Government Employee (SGE) Member |
| Barrella, Elise       | 10/01/2017 09/30/2018 Wake Forest University                        | Special Government Employee (SGE) Member |
| Bartelt-Hunt, Shannon | 10/01/2017 09/30/2018 U of Nebraska-Lincoln                         | Special Government Employee (SGE) Member |
| Bates, Rebecca        | 10/01/2017 09/30/2018 Minnesota State University, Mankato           | Special Government Employee (SGE) Member |
| Batista, Jacimaria    | 10/01/2017 09/30/2018 University of Nevada Las Vegas                | Special Government Employee (SGE) Member |
| Becker, Kurt          | 10/01/2017 09/30/2018 Utah State University                         | Special Government Employee (SGE) Member |
| Beddoes, Kacey        | 10/01/2017 09/30/2018 University of Massachusetts Lowell            | Special Government Employee (SGE) Member |
| Bennett, Michelle     | 10/01/2017 09/30/2018 National Cancer Institute                     | Regular Government Employee (RGE) Member |
| Benton, Michael       | 10/01/2017 09/30/2018 Louisiana State University                    | Special Government Employee (SGE) Member |
| Berg, Jordan          | 10/01/2017 09/30/2018 Texas Tech University                         | Special Government Employee (SGE) Member |
| Berger, Edward        | 10/01/2017 09/30/2018 Purdue University                             | Special Government Employee (SGE) Member |
| Bhandari, Subodh      | 10/01/2017 09/30/2018 California State Polytechnic University       | Special Government Employee (SGE) Member |
| Bhanja, Sanjukta      | 10/01/2017 09/30/2018 University of South Florida                   | Special Government Employee (SGE) Member |
| Bhethanabotla, Venkat | 10/01/2017 09/30/2018 U of South Florida                            | Special Government Employee (SGE) Member |
| Bigio, David          | 10/01/2017 09/30/2018 University of Maryland                        | Special Government Employee (SGE) Member |
| Billo, Richard        | 10/01/2017 09/30/2018 University Of Notre Dame                      | Special Government Employee (SGE) Member |
| Bishop, David         | 10/01/2017 09/30/2018 Boston University                             | Special Government Employee (SGE) Member |
| Bishop, Paul          | 10/01/2017 09/30/2018 North Carolina State University               | Special Government Employee (SGE) Member |
| Bittman, Eric         | 10/01/2017 09/30/2018 University of Massachusetts at Amherst        | Special Government Employee (SGE) Member |
| Black, Suely          | 10/01/2017 09/30/2018 Norfolk State University                      | Special Government Employee (SGE) Member |

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| Blaha, Charles            | 10/01/2017 09/30/2018 Mayo Clinic Rochester                    | Special Government Employee (SGE) Member |
| Bonner, Robert            | 10/01/2017 09/30/2018 Independent Consultant                   | Special Government Employee (SGE) Member |
| Boriek, Aladin            | 10/01/2017 09/30/2018 Baylor College of Medicine               | Special Government Employee (SGE) Member |
| Borrego, Maura            | 10/01/2017 09/30/2018 University of Texas at Austin            | Special Government Employee (SGE) Member |
| Bothun, Geoffrey          | 10/01/2017 09/30/2018 University of Rhode Island               | Special Government Employee (SGE) Member |
| Boyles, Stephen           | 10/01/2017 09/30/2018 U of Texas Austin                        | Special Government Employee (SGE) Member |
| Braden, John              | 10/01/2017 09/30/2018 University of Illinois                   | Special Government Employee (SGE) Member |
| Bratlie, Kaitlin          | 10/01/2017 09/30/2018 Iowa State University                    | Special Government Employee (SGE) Member |
| Bray, Laurence            | 10/01/2017 09/30/2018 George Mason University                  | Special Government Employee (SGE) Member |
| Brown, Jed                | 10/01/2017 09/30/2018 University of Colorado at Boulder        | Special Government Employee (SGE) Member |
| Bulman, Gary              | 10/01/2017 09/30/2018 GridBridge, Inc                          | Special Government Employee (SGE) Member |
| Burton, Louis             | 10/01/2017 09/30/2018 Consultant                               | Special Government Employee (SGE) Member |
| Camacho, Michelle         | 10/01/2017 09/30/2018 University of San Diego                  | Special Government Employee (SGE) Member |
| Carberry, Adam            | 10/01/2017 09/30/2018 Arizona State University                 | Special Government Employee (SGE) Member |
| Cardella, Monica          | 10/01/2017 09/30/2018 Purdue University                        | Special Government Employee (SGE) Member |
| Carnasciali, Maria-Isabel | 10/01/2017 09/30/2018 University of New Haven                  | Special Government Employee (SGE) Member |
| Carrigan, Coleen          | 10/01/2017 09/30/2018 Cal Poly Corporation                     | Special Government Employee (SGE) Member |
| Carver, Jeffrey           | 10/01/2017 09/30/2018 University of Alabama                    | Special Government Employee (SGE) Member |
| Case, Jenni               | 10/01/2017 09/30/2018 Virginia Tech                            | Special Government Employee (SGE) Member |
| Chachra, Debbie           | 10/01/2017 09/30/2018 Franklin W. Olin College of Engineering  | Special Government Employee (SGE) Member |
| Chakraborty, Aranya       | 10/01/2017 09/30/2018 North Carolina State University          | Special Government Employee (SGE) Member |
| Chakraborty, Nilanjan     | 10/01/2017 09/30/2018 Stony Brook University                   | Special Government Employee (SGE) Member |
| Chan-Hilton, Amy          | 10/01/2017 09/30/2018 University of Southern Indiana           | Special Government Employee (SGE) Member |
| Chandra, Abhijit          | 10/01/2017 09/30/2018 Iowa State University                    | Special Government Employee (SGE) Member |
| Chandra, Anita            | 10/01/2017 09/30/2018 Rand Corporation                         | Special Government Employee (SGE) Member |
| Chavela Guerra, Rocio     | 10/01/2017 09/30/2018 American Society For Engineering Educati | Special Government Employee (SGE) Member |
| Chen, Daofen              | 10/01/2017 09/30/2018 National Institutes Of Health            | Regular Government Employee (RGE) Member |
| Chenette, Heather         | 10/01/2017 09/30/2018 Rose Hulman Institute of Technology      | Special Government Employee (SGE) Member |
| Cheng, Zhongyang          | 10/01/2017 09/30/2018 Auburn University                        | Special Government Employee (SGE) Member |

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| Chu, Benjamin            | 10/01/2017 09/30/2018 Stony Brook University                              | Special Government Employee (SGE) Member |
| Clancy, Edward           | 10/01/2017 09/30/2018 Eletrical Engineer                                  | Special Government Employee (SGE) Member |
| Clark, Clayton           | 10/01/2017 09/30/2018 Florida Agricultural and Mechanical Univ            | Special Government Employee (SGE) Member |
| Cobb, John               | 10/01/2017 09/30/2018 Propero Knowledge Brokers                           | Special Government Employee (SGE) Member |
| Coley, Brooke            | 10/01/2017 09/30/2018 Arizona State University                            | Special Government Employee (SGE) Member |
| Coley, Camille           | 10/01/2017 09/30/2018 American Museum Of Natural History                  | Special Government Employee (SGE) Member |
| Contreras-Vidal, Jose    | 10/01/2017 09/30/2018 University Of Houston                               | Special Government Employee (SGE) Member |
| Cook-Chennault, Kimberly | 10/01/2017 09/30/2018 Rutgers University                                  | Special Government Employee (SGE) Member |
| Cox, Amanda              | 10/01/2017 09/30/2018 Saint Louis University                              | Special Government Employee (SGE) Member |
| Cox, Monica              | 10/01/2017 09/30/2018 Ohio State University                               | Special Government Employee (SGE) Member |
| Crawford, Daniel         | 10/01/2017 09/30/2018 Virginia Polytechnic Institute and State University | Special Government Employee (SGE) Member |
| Cross, Kelly             | 10/01/2017 09/30/2018 Univ of Illinois at Urbana-Champaign                | Special Government Employee (SGE) Member |
| Cunningham, David        | 10/01/2017 09/30/2018 Hunter Scientific Services                          | Special Government Employee (SGE) Member |
| Dade, Aurali             | 10/01/2017 09/30/2018 George Mason University                             | Special Government Employee (SGE) Member |
| Daniels, John            | 10/01/2017 09/30/2018 University of North Carolina Charlotte              | Special Government Employee (SGE) Member |
| Dasgupta, Neil           | 10/01/2017 09/30/2018 University of Michigan, Ann Arbor                   | Special Government Employee (SGE) Member |
| Davidson, Cliff          | 10/01/2017 09/30/2018 Syracuse University                                 | Special Government Employee (SGE) Member |
| De Ceuster, Denis        | 10/01/2017 09/30/2018 DDC Solar, LLC                                      | Special Government Employee (SGE) Member |
| DeBoer, Jennifer         | 10/01/2017 09/30/2018 Purdue University                                   | Special Government Employee (SGE) Member |
| DeVries, Warren          | 10/01/2017 09/30/2018 University of Maryland, Baltimore County            | Special Government Employee (SGE) Member |
| Denby, Gordon            | 10/01/2017 09/30/2018 GeoEngineers, Inc.                                  | Special Government Employee (SGE) Member |
| Deshmukh, Abhijit        | 10/01/2017 09/30/2018 Purdue University                                   | Special Government Employee (SGE) Member |
| Dhir, Seema              | 10/01/2017 09/30/2018 Fort Valley State University                        | Special Government Employee (SGE) Member |
| Dillon, Heather          | 10/01/2017 09/30/2018 University of Portland                              | Special Government Employee (SGE) Member |
| Dionysiou, Dionysios     | 10/01/2017 09/30/2018 University of Cincinnati Main Campus                | Special Government Employee (SGE) Member |
| Dorie, Brianna           | 10/01/2017 09/30/2018 Gonzaga University                                  | Special Government Employee (SGE) Member |
| Douglas, Elliot          | 10/01/2017 09/30/2018 University Of Florida                               | Special Government Employee (SGE) Member |
| Dringenberg, Emily       | 10/01/2017 09/30/2018 Ohio State University                               | Special Government Employee (SGE) Member |
| Du, Xiaojiang            | 10/01/2017 09/30/2018 Temple University                                   | Special Government Employee (SGE) Member |

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| Duggan, Claire        | 10/01/2017 09/30/2018 Northeastern University                  | Special Government Employee (SGE) Member |
| El-Masry, Nadia       | 10/01/2017 09/30/2018 North Carolina State University          | Special Government Employee (SGE) Member |
| Elby, Andrew          | 10/01/2017 09/30/2018 University of Maryland                   | Special Government Employee (SGE) Member |
| Ellis, Julie          | 10/01/2017 09/30/2018 Western Kentucky University              | Special Government Employee (SGE) Member |
| Engler, Adam          | 10/01/2017 09/30/2018 U of Cal San Diego                       | Special Government Employee (SGE) Member |
| Erkins, Esther        | 10/01/2017 09/30/2018 Indiana University-Purdue University Ind | Special Government Employee (SGE) Member |
| Escobar, Isabel       | 10/01/2017 09/30/2018 University of Kentucky                   | Special Government Employee (SGE) Member |
| Espinosa-Marzal, Rosa | 10/01/2017 09/30/2018 University of Illinois at Urbana-Champai | Special Government Employee (SGE) Member |
| Esquinca, Alberto     | 10/01/2017 09/30/2018 University of Texas at El Paso           | Special Government Employee (SGE) Member |
| Fabien, Brian         | 10/01/2017 09/30/2018 University of Washington                 | Special Government Employee (SGE) Member |
| Fan, Donglei          | 10/01/2017 09/30/2018 U of Texas Austin                        | Special Government Employee (SGE) Member |
| Faris, Gregory        | 10/01/2017 09/30/2018 SRI International                        | Special Government Employee (SGE) Member |
| Fawcett, Helen        | 10/01/2017 09/30/2018 Boston University Photonics Center       | Special Government Employee (SGE) Member |
| Feldman, David        | 10/01/2017 09/30/2018 University of California-Irvine          | Special Government Employee (SGE) Member |
| Fordyce, Garie        | 10/01/2017 09/30/2018 Consultant                               | Special Government Employee (SGE) Member |
| Francis, Royce        | 10/01/2017 09/30/2018 George Washington Univ                   | Special Government Employee (SGE) Member |
| Franklin, Rhonda      | 10/01/2017 09/30/2018 University of Minnesota Institute of Tec | Special Government Employee (SGE) Member |
| Fraser, Matthew       | 10/01/2017 09/30/2018 Arizona State University                 | Special Government Employee (SGE) Member |
| Freeborn, Todd        | 10/01/2017 09/30/2018 The University of Alabama                | Special Government Employee (SGE) Member |
| Gallagher, Eliza      | 10/01/2017 09/30/2018 Clemson University                       | Special Government Employee (SGE) Member |
| Gannon, Paul          | 10/01/2017 09/30/2018 Montana State University                 | Special Government Employee (SGE) Member |
| Gao, Wenzhong         | 10/01/2017 09/30/2018 University of Denver                     | Special Government Employee (SGE) Member |
| George, Stephanie     | 10/01/2017 09/30/2018 East Carolina University                 | Special Government Employee (SGE) Member |
| Ghiaei, Aida          | 10/01/2017 09/30/2018 University of Connecticut                | Special Government Employee (SGE) Member |
| Goncz, Kaarin         | 10/01/2017 09/30/2018 New Mexico Inst. of Mining & Technology  | Special Government Employee (SGE) Member |
| Gracheva, Maria       | 10/01/2017 09/30/2018 Clarkson University                      | Special Government Employee (SGE) Member |
| Graham, Samuel        | 10/01/2017 09/30/2018 Georgia Institute of Technology          | Special Government Employee (SGE) Member |
| Grainger, Brandon     | 10/01/2017 09/30/2018 University of Pittsburgh                 | Special Government Employee (SGE) Member |
| Green, Roger          | 10/01/2017 09/30/2018 North Dakota State University            | Special Government Employee (SGE) Member |

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| Greene, Sonya       | 10/01/2017 09/30/2018 | Valador, Inc.                                 | Special Government Employee (SGE) Member |
| Gupta, Ayush        | 10/01/2017 09/30/2018 | University of Maryland                        | Special Government Employee (SGE) Member |
| Gupta, Nikhil       | 10/01/2017 09/30/2018 | New York University                           | Special Government Employee (SGE) Member |
| Gupta, Vijay        | 10/01/2017 09/30/2018 | University of Notre Dame                      | Special Government Employee (SGE) Member |
| Hansen, Monica      | 10/01/2017 09/30/2018 | LED Lighting Advisors                         | Special Government Employee (SGE) Member |
| Harrell, William    | 10/01/2017 09/30/2018 | Clemson University                            | Special Government Employee (SGE) Member |
| Hartman, Joseph     | 10/01/2017 09/30/2018 | University Of Massachusetts Lowell            | Special Government Employee (SGE) Member |
| Hashemi, Hossein    | 10/01/2017 09/30/2018 | University of Southern California             | Special Government Employee (SGE) Member |
| Hatch, Randolph     | 10/01/2017 09/30/2018 | Cerex, Inc.                                   | Special Government Employee (SGE) Member |
| Hauser, Carl        | 10/01/2017 09/30/2018 | Washington State University                   | Special Government Employee (SGE) Member |
| Hauser, Kris        | 10/01/2017 09/30/2018 | Duke University                               | Special Government Employee (SGE) Member |
| Herman, William     | 10/01/2017 09/30/2018 | University of Michigan                        | Special Government Employee (SGE) Member |
| Hernandez, Joseph   | 10/01/2017 09/30/2018 | Biologist                                     | Special Government Employee (SGE) Member |
| Higgins, Melinda    | 10/01/2017 09/30/2018 | The Harpeth Hall School                       | Special Government Employee (SGE) Member |
| Hiskens, Ian        | 10/01/2017 09/30/2018 | University of Michigan                        | Special Government Employee (SGE) Member |
| Hobbs, Shakira      | 10/01/2017 09/30/2018 | University of Virginia                        | Special Government Employee (SGE) Member |
| Holloway, Elizabeth | 10/01/2017 09/30/2018 | Purdue University                             | Special Government Employee (SGE) Member |
| Holmes, Archie      | 10/01/2017 09/30/2018 | University of Virginia                        | Special Government Employee (SGE) Member |
| Hoople, Gordon      | 10/01/2017 09/30/2018 | University Of San Diego                       | Special Government Employee (SGE) Member |
| Hoppe, Kathy        | 10/01/2017 09/30/2018 | Professor                                     | Regular Government Employee (RGE) Member |
| Hornak, Larry       | 10/01/2017 09/30/2018 | University of Georgia                         | Special Government Employee (SGE) Member |
| Hritz, Carrie       | 10/01/2017 09/30/2018 | National Socio-environmental Synthesis Center | Special Government Employee (SGE) Member |
| Hryciw, Roman       | 10/01/2017 09/30/2018 | University of Michigan                        | Special Government Employee (SGE) Member |
| Hudak, David        | 10/01/2017 09/30/2018 | Ohio Supercomputer Center                     | Special Government Employee (SGE) Member |
| Hui, Rongqing       | 10/01/2017 09/30/2018 | University Of Kansas                          | Special Government Employee (SGE) Member |
| Hunsu, Nathaniel    | 10/01/2017 09/30/2018 | University of Georgia                         | Special Government Employee (SGE) Member |
| Hunziker, Rosemarie | 10/01/2017 09/30/2018 | National Institutes of Health                 | Regular Government Employee (RGE) Member |
| Hutner, Todd        | 10/01/2017 09/30/2018 | The University of Texas at Austin             | Special Government Employee (SGE) Member |
| Hynes, Morgan       | 10/01/2017 09/30/2018 | Purdue University                             | Special Government Employee (SGE) Member |

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| Ilic, Marija         | 10/01/2017 09/30/2018 Carnegie-Mellon University                      | Special Government Employee (SGE) Member |
| Imbrie, P.K.         | 10/01/2017 09/30/2018 University Of Cincinnati Main Campus            | Special Government Employee (SGE) Member |
| Ingber, Marc         | 10/01/2017 09/30/2018 University of Colorado at Denver                | Special Government Employee (SGE) Member |
| Ingram, Ella         | 10/01/2017 09/30/2018 Rose-Hulman Institute of Technology             | Special Government Employee (SGE) Member |
| Isaac, Mary          | 10/01/2017 09/30/2018 HEDGE Co  | Special Government Employee (SGE) Member |
| Ivory, Cornelius     | 10/01/2017 09/30/2018 Washington State University                     | Special Government Employee (SGE) Member |
| Jabbarzadeh, Ehsan   | 10/01/2017 09/30/2018 University of South Carolina                    | Special Government Employee (SGE) Member |
| Jacullo-Noto, Joann  | 10/01/2017 09/30/2018 Drew University                                 | Special Government Employee (SGE) Member |
| Jaffe, Peter         | 10/01/2017 09/30/2018 Princeton University                            | Special Government Employee (SGE) Member |
| Janes, David         | 10/01/2017 09/30/2018 Purdue University                               | Special Government Employee (SGE) Member |
| Jarausach, Konrad    | 10/01/2017 09/30/2018 Capricorn Investment Group                      | Special Government Employee (SGE) Member |
| Johnson, Odis        | 10/01/2017 09/30/2018 Washington University                           | Special Government Employee (SGE) Member |
| Johnson, Steven      | 10/01/2017 09/30/2018 Central Connecticut State University            | Special Government Employee (SGE) Member |
| Jones-Davis, Dorothy | 10/01/2017 09/30/2018 Nation of Makers                                | Special Government Employee (SGE) Member |
| Kajfez, Rachel       | 10/01/2017 09/30/2018 Ohio State University                           | Special Government Employee (SGE) Member |
| Kane, Matthew        | 10/01/2017 09/30/2018 Texas A&M University at Galveston               | Special Government Employee (SGE) Member |
| Karabacak, Tansel    | 10/01/2017 09/30/2018 University of Arkansas at Little Rock           | Special Government Employee (SGE) Member |
| Karam, Nasser        | 10/01/2017 09/30/2018 KaramcoUSA Global Consulting                    | Special Government Employee (SGE) Member |
| Karayaka, Bora       | 10/01/2017 09/30/2018 Western Carolina University                     | Special Government Employee (SGE) Member |
| Karlin, Jennifer     | 10/01/2017 09/30/2018 Minnesota State University, Mankato             | Special Government Employee (SGE) Member |
| Katsioloudis, Petros | 10/01/2017 09/30/2018 Old Dominion University                         | Special Government Employee (SGE) Member |
| Katz, Alexander      | 10/01/2017 09/30/2018 University of California Berkeley               | Special Government Employee (SGE) Member |
| Kavasseri, Rajesh    | 10/01/2017 09/30/2018 North Dakota State University Fargo, PO Bx 6050 | Special Government Employee (SGE) Member |
| Keith, Miriam        | 10/01/2017 09/30/2018 Kayleb Consulting LLC                           | Special Government Employee (SGE) Member |
| Kellam, Nadia        | 10/01/2017 09/30/2018 Arizona State University                        | Special Government Employee (SGE) Member |
| Khreishah, Abdallah  | 10/01/2017 09/30/2018 New Jersey Institute of Technology              | Special Government Employee (SGE) Member |
| Kidane, Addis        | 10/01/2017 09/30/2018 University of South Carolina at Columbia        | Special Government Employee (SGE) Member |
| Kirchhoff, Christine | 10/01/2017 09/30/2018 University of Connecticut                       | Special Government Employee (SGE) Member |
| Klotz, Leidy         | 10/01/2017 09/30/2018 University of Virginia                          | Special Government Employee (SGE) Member |

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|-----------------------|-----------------------|---|--|
| Knepley, Matthew      | 10/01/2017 09/30/2018 | University of Chicago   | Special Government Employee (SGE) Member |
| Kofke, David          | 10/01/2017 09/30/2018 | SUNY at Buffalo   | Special Government Employee (SGE) Member |
| Kouadio, Carrie       | 10/01/2017 09/30/2018 | University of California, Merced  | Special Government Employee (SGE) Member |
| Kremer, Gul           | 10/01/2017 09/30/2018 | Iowa State University   | Special Government Employee (SGE) Member |
| Krivokapic, Zoran     | 10/01/2017 09/30/2018 | GLOBALFOUNDRIES U.S. INC.   | Special Government Employee (SGE) Member |
| Kuchta, Dan           | 10/01/2017 09/30/2018 | IBM Research  | Special Government Employee (SGE) Member |
| Kumar, Ashok          | 10/01/2017 09/30/2018 | University Of South Florida   | Special Government Employee (SGE) Member |
| Kumar, Dhananjay      | 10/01/2017 09/30/2018 | North Carolina A&T St Univ  | Special Government Employee (SGE) Member |
| Kumar, Sandeep        | 10/01/2017 09/30/2018 | Old Dominion University   | Special Government Employee (SGE) Member |
| Kurinec, Santosh      | 10/01/2017 09/30/2018 | Rochester Institute of Technology   | Special Government Employee (SGE) Member |
| LaMeres, Brock        | 10/01/2017 09/30/2018 | Montana State University  | Special Government Employee (SGE) Member |
| Lamm, Monica          | 10/01/2017 09/30/2018 | Iowa State University   | Special Government Employee (SGE) Member |
| Lane, Stephen         | 10/01/2017 09/30/2018 | University of California, Davis   | Special Government Employee (SGE) Member |
| Lawton, Carl          | 10/01/2017 09/30/2018 | University of Massachusetts Lowell  | Special Government Employee (SGE) Member |
| Lee, Cindy            | 10/01/2017 09/30/2018 | Clemson University  | Special Government Employee (SGE) Member |
| Lee, Juneseok         | 10/01/2017 09/30/2018 | Manhattan College   | Special Government Employee (SGE) Member |
| Leonessa, Alexander   | 10/01/2017 09/30/2018 | Virginia Polytechnic Institute and State University                       | Special Government Employee (SGE) Member |
| Levine, Aaron         | 10/01/2017 09/30/2018 | Georgia Institute of Technology   | Special Government Employee (SGE) Member |
| Liddle, J. Alexander  | 10/01/2017 09/30/2018 | NIST Center for Nanoscale Sci and Tech                                    | Regular Government Employee (RGE) Member |
| Lindvall, Bruce       | 10/01/2017 09/30/2018 | Northwestern University   | Special Government Employee (SGE) Member |
| Litzler, Elizabeth    | 10/01/2017 09/30/2018 | University Of Washington  | Special Government Employee (SGE) Member |
| Liu, Yan              | 10/01/2017 09/30/2018 | Univ. of Illinois at Urbana-Champaign                                     | Special Government Employee (SGE) Member |
| Llewellyn, Donna      | 10/01/2017 09/30/2018 | Boise State University  | Special Government Employee (SGE) Member |
| London, Jeremi        | 10/01/2017 09/30/2018 | Virginia Tech Services, Inc.  | Special Government Employee (SGE) Member |
| Lord, Susan           | 10/01/2017 09/30/2018 | University of San Diego   | Special Government Employee (SGE) Member |
| Lotrecchiano, Gaetano | 10/01/2017 09/30/2018 | George Washington University  | Special Government Employee (SGE) Member |
| Louie, Beverly        | 10/01/2017 09/30/2018 | University of Colorado at Boulder College of Engineering and Applied Sci. | Special Government Employee (SGE) Member |
| Luechtefeld, Ray      | 10/01/2017 09/30/2018 | University of Central Missouri  | Special Government Employee (SGE) Member |
| Lyons, Kevin          | 10/01/2017 09/30/2018 | National Institute of Standards and Tech                                  | Regular Government Employee (RGE) Member |

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| Lyons, Kimmie             | 10/01/2017 09/30/2018 US Annova  | Special Government Employee (SGE) Member |
| Lyubovitsky, Julia        | 10/01/2017 09/30/2018 California Institute of Technology                         | Special Government Employee (SGE) Member |
| Magana, Alejandra         | 10/01/2017 09/30/2018 Purdue University  | Special Government Employee (SGE) Member |
| Main, Joyce               | 10/01/2017 09/30/2018 Purdue University  | Special Government Employee (SGE) Member |
| Mandli, kyle              | 10/01/2017 09/30/2018 Columbia University  | Special Government Employee (SGE) Member |
| Mannam, Rajasekharam      | 10/01/2017 09/30/2018 Intel Corportion   | Special Government Employee (SGE) Member |
| Mao, Guangzhao            | 10/01/2017 09/30/2018 Wayne State University                                     | Special Government Employee (SGE) Member |
| Marcin, John              | 10/01/2017 09/30/2018 Pratt & Whitney  | Special Government Employee (SGE) Member |
| McGee, John               | 10/01/2017 09/30/2018 University of North Carolina at Chapel H                   | Special Government Employee (SGE) Member |
| McIntosh, Steven          | 10/01/2017 09/30/2018 Lehigh University  | Special Government Employee (SGE) Member |
| McKenna, Ann              | 10/01/2017 09/30/2018 Arizona State University                                   | Special Government Employee (SGE) Member |
| Mckilligan, Seda          | 10/01/2017 09/30/2018 Iowa State University                                      | Special Government Employee (SGE) Member |
| Mcleod, Pamela            | 10/01/2017 09/30/2018 Stanford University - Yang & Yamazaki Environment & Energy | Special Government Employee (SGE) Member |
| Mead, Patricia            | 10/01/2017 09/30/2018 Norfolk State University                                   | Special Government Employee (SGE) Member |
| Mejia, Alex               | 10/01/2017 09/30/2018 University of San Diego                                    | Special Government Employee (SGE) Member |
| Mendonca, David           | 10/01/2017 09/30/2018 Rensselaer Polytechnic Institute                           | Special Government Employee (SGE) Member |
| Metacarpa, David          | 10/01/2017 09/30/2018 Solar Energy Development Center                            | Special Government Employee (SGE) Member |
| Micou, Melissa            | 10/01/2017 09/30/2018 University of California San Diego                         | Special Government Employee (SGE) Member |
| Miller, Michele           | 10/01/2017 09/30/2018 Campbell University  | Special Government Employee (SGE) Member |
| Minerick, Adrienne        | 10/01/2017 09/30/2018 Michigan Technological University                          | Special Government Employee (SGE) Member |
| Mitchell, Gregory         | 10/01/2017 09/30/2018 Electrical Engineering                                     | Regular Government Employee (RGE) Member |
| Moaveni, Babak            | 10/01/2017 09/30/2018 Tufts University   | Special Government Employee (SGE) Member |
| Mobley, Catherine         | 10/01/2017 09/30/2018 Clemson University   | Special Government Employee (SGE) Member |
| Moore, James              | 10/01/2017 09/30/2018 The Ohio State University                                  | Special Government Employee (SGE) Member |
| Morgan, Sarah             | 10/01/2017 09/30/2018 University of Southern Mississippi                         | Special Government Employee (SGE) Member |
| Mosley, Terrence          | 10/01/2017 09/30/2018 Orleans Holding LLC  | Special Government Employee (SGE) Member |
| Mousavinezhad, S. Hossein | 10/01/2017 09/30/2018 Idaho State University                                     | Special Government Employee (SGE) Member |
| Murray, Chase             | 10/01/2017 09/30/2018 University At Buffalo                                      | Special Government Employee (SGE) Member |
| Najjar, Yacoub            | 10/01/2017 09/30/2018 Civil Engineering Department                               | Special Government Employee (SGE) Member |

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| Nanny, Mark           | 10/01/2017 09/30/2018 University of Oklahoma Norman Campus     | Special Government Employee (SGE) Member |
| Nasiri, Adel          | 10/01/2017 09/30/2018 University of Wisconsin-Milwaukee        | Special Government Employee (SGE) Member |
| Ning, Tak             | 10/01/2017 09/30/2018 IBM Research                             | Special Government Employee (SGE) Member |
| Noghanian, Sima       | 10/01/2017 09/30/2018 University of North Dakota               | Special Government Employee (SGE) Member |
| Nolen, Susan          | 10/01/2017 09/30/2018 University of Washington                 | Special Government Employee (SGE) Member |
| O'Brien, Edward       | 10/01/2017 09/30/2018 Mercer University                        | Special Government Employee (SGE) Member |
| Ogilvie, Andrea       | 10/01/2017 09/30/2018 TAMU                                     | Special Government Employee (SGE) Member |
| Olbricht, William     | 10/01/2017 09/30/2018 Cornell University                       | Special Government Employee (SGE) Member |
| Oldiges, Phil         | 10/01/2017 09/30/2018 IBM Research                             | Special Government Employee (SGE) Member |
| Olivares, Beth        | 10/01/2017 09/30/2018 University of Rochester                  | Special Government Employee (SGE) Member |
| Ong, Maria            | 10/01/2017 09/30/2018 TERC                                     | Special Government Employee (SGE) Member |
| Ortiz, Araceli        | 10/01/2017 09/30/2018 Depart of Education                      | Special Government Employee (SGE) Member |
| Ortmeyer, Thomas      | 10/01/2017 09/30/2018 Clarkson University                      | Special Government Employee (SGE) Member |
| Osuji, Chinedum       | 10/01/2017 09/30/2018 University of Pennsylvania               | Special Government Employee (SGE) Member |
| Pagilla, Prabhakar    | 10/01/2017 09/30/2018 Texas A M Engineering Experiment Station | Special Government Employee (SGE) Member |
| Panther, Grace        | 10/01/2017 09/30/2018 University of Cincinnati Main Campus     | Special Government Employee (SGE) Member |
| Paredis, Christiaan   | 10/01/2017 09/30/2018 Clemson University                       | Special Government Employee (SGE) Member |
| Pasaogullari, Ugur    | 10/01/2017 09/30/2018 University of Connecticut                | Special Government Employee (SGE) Member |
| Patra, Abani          | 10/01/2017 09/30/2018 SUNY at Buffalo                          | Special Government Employee (SGE) Member |
| Pavel Sizemore, Ioana | 10/01/2017 09/30/2018 Wright State University                  | Special Government Employee (SGE) Member |
| Pearson, Yvette       | 10/01/2017 09/30/2018 Rice University                          | Special Government Employee (SGE) Member |
| Pei, Zhijian          | 10/01/2017 09/30/2018 TEXAS A&M UNIVERSITY                     | Special Government Employee (SGE) Member |
| Perreault, Eric       | 10/01/2017 09/30/2018 Northwestern University                  | Special Government Employee (SGE) Member |
| Peters, Brett         | 10/01/2017 09/30/2018 University of Wisconsin-Milwaukee        | Special Government Employee (SGE) Member |
| Peters, Diane         | 10/01/2017 09/30/2018 Kettering University                     | Special Government Employee (SGE) Member |
| Peterson, Eric        | 10/01/2017 09/30/2018 Idaho National Laboratory                | Special Government Employee (SGE) Member |
| Petry, Leanne         | 10/01/2017 09/30/2018 Central State University                 | Special Government Employee (SGE) Member |
| Phillip, William      | 10/01/2017 09/30/2018 University of Notre Dame                 | Special Government Employee (SGE) Member |
| Pindera, Marek-Jerzy  | 10/01/2017 09/30/2018 University of Virginia Main Campus       | Special Government Employee (SGE) Member |

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|-------------------------|---|--|
| Pires, Jose             | 10/01/2017 09/30/2018 US Nuclear Regulatory Commission                    | Regular Government Employee (RGE) Member |
| Pitterson, Nicole       | 10/01/2017 09/30/2018 Virginia Polytechnic Institute and State University | Special Government Employee (SGE) Member |
| Podkul, Timothy         | 10/01/2017 09/30/2018 SRI International                                   | Special Government Employee (SGE) Member |
| Pollock, Meagan         | 10/01/2017 09/30/2018 Design Connect Create                               | Special Government Employee (SGE) Member |
| Ponnaiyan, Thehazhnan   | 10/01/2017 09/30/2018 University of Toledo                                | Special Government Employee (SGE) Member |
| Prakash, Shaurya        | 10/01/2017 09/30/2018 Ohio State University                               | Special Government Employee (SGE) Member |
| Puppala, Anand          | 10/01/2017 09/30/2018 University of Texas at Arlington                    | Special Government Employee (SGE) Member |
| Purzer, Senay           | 10/01/2017 09/30/2018 Purdue University                                   | Special Government Employee (SGE) Member |
| Quevedo-Lopez, Manuel   | 10/01/2017 09/30/2018 University of Texas at Dallas                       | Special Government Employee (SGE) Member |
| Ranganathan, Shyam      | 10/01/2017 09/30/2018 Virginia Polytechnic Institute and State University | Special Government Employee (SGE) Member |
| Rauschenbach, Kristin   | 10/01/2017 09/30/2018 Notchway Solutions, Llc                             | Special Government Employee (SGE) Member |
| Reddy, Elizabeth        | 10/01/2017 09/30/2018 University of San Diego                             | Special Government Employee (SGE) Member |
| Reinhart, Debra         | 10/01/2017 09/30/2018 U of Central Florida                                | Special Government Employee (SGE) Member |
| Repasky, Kevin          | 10/01/2017 09/30/2018 Montana State University                            | Special Government Employee (SGE) Member |
| Resasco, Daniel         | 10/01/2017 09/30/2018 University of Oklahoma                              | Special Government Employee (SGE) Member |
| Richey, Michael         | 10/01/2017 09/30/2018 Boeing Company                                      | Special Government Employee (SGE) Member |
| Rilett, Laurence        | 10/01/2017 09/30/2018 University of Nebraska Lincoln                      | Special Government Employee (SGE) Member |
| Ringo, John             | 10/01/2017 09/30/2018 Washington State University                         | Special Government Employee (SGE) Member |
| Ritchie, Stephen        | 10/01/2017 09/30/2018 University of Alabama Tuscaloosa                    | Special Government Employee (SGE) Member |
| Rodrigues, Debora       | 10/01/2017 09/30/2018 University of Houston                               | Special Government Employee (SGE) Member |
| Rogers, Gloria          | 10/01/2017 09/30/2018 ABET  | Special Government Employee (SGE) Member |
| Rogers, Shane           | 10/01/2017 09/30/2018 Clarkson University                                 | Special Government Employee (SGE) Member |
| Rojas-Cessa, Roberto    | 10/01/2017 09/30/2018 New Jersey Institute of Technology                  | Special Government Employee (SGE) Member |
| Rondinelli, James       | 10/01/2017 09/30/2018 Northwestern University                             | Special Government Employee (SGE) Member |
| Rosario-Ortiz, Fernando | 10/01/2017 09/30/2018 University of Colorado at Boulder                   | Special Government Employee (SGE) Member |
| Rosen, Gail             | 10/01/2017 09/30/2018 Drexel University                                   | Special Government Employee (SGE) Member |
| Rovito, Sarah           | 10/01/2017 09/30/2018 APLU  | Special Government Employee (SGE) Member |
| Rust, Carl              | 10/01/2017 09/30/2018 Georgia Institute of Technology                     | Special Government Employee (SGE) Member |
| Rynearson, Anatasia     | 10/01/2017 09/30/2018 Campbell University                                 | Special Government Employee (SGE) Member |

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|---------------------------|---|--|
| Sakulich, Aaron           | 10/01/2017 09/30/2018 Worcester Polytechnic Institute                     | Special Government Employee (SGE) Member |
| Salac, David              | 10/01/2017 09/30/2018 University at Buffalo SUNY                          | Special Government Employee (SGE) Member |
| Salzman, Noah             | 10/01/2017 09/30/2018 Boise State University                              | Special Government Employee (SGE) Member |
| Samad, Tariq              | 10/01/2017 09/30/2018 University of Minnesota                             | Special Government Employee (SGE) Member |
| Samaranayake, Samitha     | 10/01/2017 09/30/2018 Cornell University                                  | Special Government Employee (SGE) Member |
| Sampath, Anita            | 10/01/2017 09/30/2018 Creo Consulting                                     | Special Government Employee (SGE) Member |
| Sarikaya, Mehmet          | 10/01/2017 09/30/2018 University of Washington                            | Special Government Employee (SGE) Member |
| Schanck, Joan             | 10/01/2017 09/30/2018 Wake Forest University                              | Special Government Employee (SGE) Member |
| Schearer, Eric            | 10/01/2017 09/30/2018 Cleveland State University                          | Special Government Employee (SGE) Member |
| Schneemeyer, Lynn         | 10/01/2017 09/30/2018 Montclair State University                          | Special Government Employee (SGE) Member |
| Schoenfeld, Winston       | 10/01/2017 09/30/2018 University of Central Florida                       | Special Government Employee (SGE) Member |
| Secules, Stephen          | 10/01/2017 09/30/2018 University of Georgia                               | Special Government Employee (SGE) Member |
| Semprini, Lewis           | 10/01/2017 09/30/2018 Oregon State University                             | Special Government Employee (SGE) Member |
| Sharpee, Tatyana          | 10/01/2017 09/30/2018 Salk Institute                                      | Special Government Employee (SGE) Member |
| Shewokis, Patricia        | 10/01/2017 09/30/2018 Drexel University                                   | Special Government Employee (SGE) Member |
| Shiple, Heather           | 10/01/2017 09/30/2018 University of Texas at San Antonio                  | Special Government Employee (SGE) Member |
| Sidbury, Carmen           | 10/01/2017 09/30/2018 The Sidbury Group LLC                               | Special Government Employee (SGE) Member |
| Siller, Thomas            | 10/01/2017 09/30/2018 Colorado State University                           | Special Government Employee (SGE) Member |
| Simmons, David            | 10/01/2017 09/30/2018 University Of South Florida                         | Special Government Employee (SGE) Member |
| Simmons, Denise           | 10/01/2017 09/30/2018 Virginia Polytechnic Institute and State University | Special Government Employee (SGE) Member |
| Singh, Pritpal            | 10/01/2017 09/30/2018 Villanova University                                | Special Government Employee (SGE) Member |
| Sleezer, Robert           | 10/01/2017 09/30/2018 Minnesota State University, Mankato                 | Special Government Employee (SGE) Member |
| Smith-Orr, Courtney       | 10/01/2017 09/30/2018 University of North Carolina at Charlott            | Special Government Employee (SGE) Member |
| Smith, Eric               | 10/01/2017 09/30/2018 University of Texas at El Paso                      | Special Government Employee (SGE) Member |
| Sobkowicz-Kline, Margaret | 10/01/2017 09/30/2018 University of Massachusetts Lowell                  | Special Government Employee (SGE) Member |
| Sochacka, Nicki           | 10/01/2017 09/30/2018 University of Georgia                               | Special Government Employee (SGE) Member |
| Sotelo, Sheryl            | 10/01/2017 09/30/2018 Chugach School District                             | Special Government Employee (SGE) Member |
| Srivastava, Ashok         | 10/01/2017 09/30/2018 Louisiana State University                          | Special Government Employee (SGE) Member |
| St. Omer, Ingrid          | 10/01/2017 09/30/2018 Virginia Polytechnic Institute and State University | Special Government Employee (SGE) Member |

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|------------------------|---|--|
| Stan, Mircea           | 10/01/2017 09/30/2018 University of Virginia Main Campus      | Special Government Employee (SGE) Member |
| Stiner-Jones, La'Tonia | 10/01/2017 09/30/2018 Ohio State University                   | Special Government Employee (SGE) Member |
| Streiner, Scott        | 10/01/2017 09/30/2018 Rowan University                        | Special Government Employee (SGE) Member |
| Subramaniam, Suresh    | 10/01/2017 09/30/2018 George Washington University            | Special Government Employee (SGE) Member |
| Sud, Shivani           | 10/01/2017 09/30/2018 Intel Corportion                        | Special Government Employee (SGE) Member |
| Sun, Cheng             | 10/01/2017 09/30/2018 Northwestern University                 | Special Government Employee (SGE) Member |
| Svihla, Vanessa        | 10/01/2017 09/30/2018 University of New Mexico                | Special Government Employee (SGE) Member |
| Szlufarska, Izabela    | 10/01/2017 09/30/2018 U of Wisconsin Madison                  | Special Government Employee (SGE) Member |
| Tatic-Lucic, Svetlana  | 10/01/2017 09/30/2018 Lehigh University                       | Special Government Employee (SGE) Member |
| Taylor, Curtis         | 10/01/2017 09/30/2018 University of Florida                   | Special Government Employee (SGE) Member |
| Thomas, Lashun         | 10/01/2017 09/30/2018 University Of Arkansas At Little Rock   | Special Government Employee (SGE) Member |
| Thrash, Marvin         | 10/01/2017 09/30/2018 Cleveland State University              | Special Government Employee (SGE) Member |
| Tjuatja, Saibun        | 10/01/2017 09/30/2018 University Of Texas At Arlington        | Special Government Employee (SGE) Member |
| Tolbert, DeLean        | 10/01/2017 09/30/2018 University of Michigan Dearborn         | Special Government Employee (SGE) Member |
| Towhidnejad, Massood   | 10/01/2017 09/30/2018 Embry-Riddle Aeronautical University    | Special Government Employee (SGE) Member |
| Travers, Matthew       | 10/01/2017 09/30/2018 Carnegie Mellon University              | Special Government Employee (SGE) Member |
| Truesdell, Pamela      | 10/01/2017 09/30/2018 University of Cincinnati                | Special Government Employee (SGE) Member |
| Tsakalakos, Loucas     | 10/01/2017 09/30/2018 General Electric-Global Research Center | Special Government Employee (SGE) Member |
| Turns, Jennifer        | 10/01/2017 09/30/2018 U of Washington                         | Special Government Employee (SGE) Member |
| Ulijn, Rein            | 10/01/2017 09/30/2018 City University of New York             | Special Government Employee (SGE) Member |
| Upadhyaya, Shambhu     | 10/01/2017 09/30/2018 State University of New York at Buffalo | Special Government Employee (SGE) Member |
| Valocchi, Albert       | 10/01/2017 09/30/2018 Univ of Illinois at Urbana-Champaign    | Special Government Employee (SGE) Member |
| VanZwieten, James      | 10/01/2017 09/30/2018 Florida Atlantic University             | Special Government Employee (SGE) Member |
| Vazquez, Luis          | 10/01/2017 09/30/2018 New Mexico State University             | Special Government Employee (SGE) Member |
| Verleger, Matthew      | 10/01/2017 09/30/2018 Embry-Riddle Aeronautical University    | Special Government Employee (SGE) Member |
| Villanueva, Idalis     | 10/01/2017 09/30/2018 Utah State University                   | Special Government Employee (SGE) Member |
| Walczak, Irene         | 10/01/2017 09/30/2018 Independent Consultant                  | Special Government Employee (SGE) Member |
| Walden, Susan          | 10/01/2017 09/30/2018 University of Oklahoma, Norman Campus   | Special Government Employee (SGE) Member |
| Walther, Joachim       | 10/01/2017 09/30/2018 University of Georgia                   | Special Government Employee (SGE) Member |

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|--------------------|---|--|
| Wang, Xia          | 10/01/2017 09/30/2018 Oakland University                                  | Special Government Employee (SGE) Member |
| Warren, David      | 10/01/2017 09/30/2018 University of Utah                                  | Special Government Employee (SGE) Member |
| Watford, Beville   | 10/01/2017 09/30/2018 Virginia Polytechnic Institute and State University | Special Government Employee (SGE) Member |
| Watkins, James     | 10/01/2017 09/30/2018 University of Massachusetts Amherst                 | Special Government Employee (SGE) Member |
| Weidner, John      | 10/01/2017 09/30/2018 University of South Carolina                        | Special Government Employee (SGE) Member |
| Weiser, Douglas    | 10/01/2017 09/30/2018 Texas Instruments                                   | Special Government Employee (SGE) Member |
| White, John        | 10/01/2017 09/30/2018 Advocate Lutheran General Hospital                  | Special Government Employee (SGE) Member |
| Will-Cole, Melanie | 10/01/2017 09/30/2018 Army Research Laboratory                            | Special Government Employee (SGE) Member |
| Williams, Julia    | 10/01/2017 09/30/2018 Rose Hulman Institute of Technology                 | Special Government Employee (SGE) Member |
| Williams, Rochelle | 10/01/2017 09/30/2018 Association for Women in Science                    | Special Government Employee (SGE) Member |
| Wills, Robert      | 10/01/2017 09/30/2018 Intergrid, LLC                                      | Special Government Employee (SGE) Member |
| Wolfson, Michael   | 10/01/2017 09/30/2018 NIH/NIBIB   | Regular Government Employee (RGE) Member |
| Yasuhara, Ken      | 10/01/2017 09/30/2018 University of Washington                            | Special Government Employee (SGE) Member |
| Yazdani, Nur       | 10/01/2017 09/30/2018 University of Texas at Arlington                    | Special Government Employee (SGE) Member |
| Ye, Kaiming        | 10/01/2017 09/30/2018 SUNY at Binghamton                                  | Special Government Employee (SGE) Member |
| Yelamarthi, Kumar  | 10/01/2017 09/30/2018 Central Michigan University                         | Special Government Employee (SGE) Member |
| Youssef, George    | 10/01/2017 09/30/2018 San Diego State University                          | Special Government Employee (SGE) Member |
| Zaghi, Arash       | 10/01/2017 09/30/2018 University of Connecticut                           | Special Government Employee (SGE) Member |
| Zappe, Sarah       | 10/01/2017 09/30/2018 Pennsylvania State Univ University Park             | Special Government Employee (SGE) Member |
| Zhang, Kechen      | 10/01/2017 09/30/2018 Johns Hopkins University School of Medic            | Special Government Employee (SGE) Member |
| Zhang, Xiaodong    | 10/01/2017 09/30/2018 Wright State University                             | Special Government Employee (SGE) Member |
| Zhao, Jingzhou     | 10/01/2017 09/30/2018 Western New England University                      | Special Government Employee (SGE) Member |
| Zheng, Jim         | 10/01/2017 09/30/2018 Florida State University                            | Special Government Employee (SGE) Member |
| Zheng, Wei         | 10/01/2017 09/30/2018 Jackson State University                            | Special Government Employee (SGE) Member |
| Zheng, Yahong      | 10/01/2017 09/30/2018 Missouri University of Science and Techn            | Special Government Employee (SGE) Member |
| Zhong, Chuan-Jian  | 10/01/2017 09/30/2018 SUNY at Binghamton                                  | Special Government Employee (SGE) Member |
| Zhu, Jimmy         | 10/01/2017 09/30/2018 Carnegie-Mellon University                          | Special Government Employee (SGE) Member |
| Zhu, Liang         | 10/01/2017 09/30/2018 University of Maryland Baltimore County             | Special Government Employee (SGE) Member |
| Zhu, Weihang       | 10/01/2017 09/30/2018 Lamar University Beaumont                           | Special Government Employee (SGE) Member |

Zimanyi, Gergely 10/01/2017 09/30/2018 University of California-Davis

Special Government Employee  
(SGE) Member

Zurk, Lisa 10/01/2017 09/30/2018 University Of Washington

Special Government Employee  
(SGE) Member

**Number of Committee Members Listed: 399**

### **Narrative Description**

The NSF mission is set out in the NSF Act of 1950 authorizes and directs the Agency to initiate and support: basic scientific research and research fundamental to the engineering process; and science and engineering education programs at all levels and in all fields of science and engineering. The involvement of knowledgeable peers from outside the Foundation in the review of proposals is the keystone of NSF's proposal review system. Their judgments of the extent to which proposals address the merit review criteria are vital for informing NSF staff and influencing funding recommendations.

### **What are the most significant program outcomes associated with this committee?**

Checked if Applies

- |   |                                     |
|---|-------------------------------------|
| Improvements to health or safety                  | <input type="checkbox"/>            |
| Trust in government                               | <input type="checkbox"/>            |
| Major policy changes                              | <input type="checkbox"/>            |
| Advance in scientific research                    | <input checked="" type="checkbox"/> |
| Effective grant making                            | <input checked="" type="checkbox"/> |
| Improved service delivery                         | <input type="checkbox"/>            |
| Increased customer satisfaction                   | <input type="checkbox"/>            |
| Implementation of laws or regulatory requirements | <input type="checkbox"/>            |
| Other   | <input type="checkbox"/>            |

### **Outcome Comments**

NA

### **What are the cost savings associated with this committee?**

Checked if Applies

- |                            |                                     |
|----------------------------|-------------------------------------|
| None                       | <input type="checkbox"/>            |
| Unable to Determine        | <input checked="" type="checkbox"/> |
| Under \$100,000            | <input type="checkbox"/>            |
| \$100,000 - \$500,000      | <input type="checkbox"/>            |
| \$500,001 - \$1,000,000    | <input type="checkbox"/>            |
| \$1,000,001 - \$5,000,000  | <input type="checkbox"/>            |
| \$5,000,001 - \$10,000,000 | <input type="checkbox"/>            |
| Over \$10,000,000          | <input type="checkbox"/>            |

### **Cost Savings Comments**

The use of panelists to review proposals for the Agency is an invaluable asset. The cost of obtaining the expertise, insight, and information received by the Division using alternative methods, such as hiring the expertise as full or part-time employees, would be extremely high.

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

700

### **Number of Recommendations Comments**

This is an ongoing committee. Therefore, the number of recommendations produced by the committee is for the fiscal year.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

0%

### **% of Recommendations Fully Implemented Comments**

The word “implement” is not applicable to grant review panels. All recommendations are “considered” by the agency.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

0%

### **% of Recommendations Partially Implemented Comments**

Not applicable. Please see answer directly above.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☒ No ☐ Not Applicable ☐

### **Agency Feedback Comments**

Although panelists may not receive direct feedback, each committee member may use the NSF FastLane, a public web-based program, which provides information on awards made by the agency to determine the outcome of proposals reviewed by the panel.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

- |                                   |                                     |
|-----------------------------------|-------------------------------------|
| Reorganized Priorities            | <input type="checkbox"/>            |
| Reallocated resources             | <input type="checkbox"/>            |
| Issued new regulation             | <input type="checkbox"/>            |
| Proposed legislation              | <input type="checkbox"/>            |
| Approved grants or other payments | <input checked="" type="checkbox"/> |
| Other                             | <input type="checkbox"/>            |

**Action Comments**

NA

**Is the Committee engaged in the review of applications for grants?**

Yes

- |  |              |
|--|--------------|
| What is the estimated <b>Number</b> of grants reviewed for approval          | 700          |
| What is the estimated <b>Number</b> of grants recommended for approval       | 148          |
| What is the estimated <b>Dollar Value</b> of grants recommended for approval | \$36,064,863 |

**Grant Review Comments**

The panelists/advisory committee members provided information on the merit of the proposal, which includes an overall ratingThe number of proposals above includes pre-proposals submitted to NSF for review. The pre-proposals are not included in the number of "grants recommended" or "dollar value of grants" recommended for approval.

**How is access provided to the information for the Committee's documentation?**

Checked if Applies

- |                           |                                     |
|---------------------------|-------------------------------------|
| Contact DFO               | <input checked="" type="checkbox"/> |
| Online Agency Web Site    | <input type="checkbox"/>            |
| Online Committee Web Site | <input type="checkbox"/>            |
| Online GSA FACA Web Site  | <input type="checkbox"/>            |
| Publications              | <input type="checkbox"/>            |
| Other                     | <input type="checkbox"/>            |

**Access Comments**

N/A